

THE BIG JOB

BASIC MAGNESIUM NEWS LETTER

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We're Hot for the Heat on Hitler

A SPECIAL MESSAGE FOR SCHICKLGRUBER

This is Station BMI broadcasting, Adolph. You know--out here in the Nevada desert. Some of our boys are back from England. They went there to learn the "know-how" of operations on this big magnesium plant we're building. It's a good thing--for us--that they're back, Adolph, because production of magnesium is going to start here pretty soon. And, Adolph, we're going to make magnesium until Hell won't have it--and it's going to be headed your way--your way and Hirohito's.

IT CAME TO US BY CLIPPER, ADOLPH

Some of the boys brought back some magnesium plane parts from England, Adolph. We've put them on exhibit in the BMI administration building and are inviting everybody to drop in and take a look. This exhibit, you see, sort of gives us an idea of what this big plant is all about. Maybe you can't understand that Adolph, but we Americans like to know what we're doing and why, and not just take orders blindly, like you make your slaves do in Germany. It's kind of a mark of our freedom and national intelligence, Adolph--one of the things we're going to save for ourselves by rubbing you and Hirohito out.

COME SEE THE EXHIBIT--EVERYBODY!

This exhibit, Adolph, includes some parts from some of your planes shot down in England. There's some magnesium alloy sheet from the fuselage of one of your crates that got too close to a Spitfire. It shows where a bullet went through. There are castings, forgings, and other plane parts made in England. There's a piece of tubing, too, showing some German welding. We've got a new magnesium welding process in this country, Adolph--arc welding of magnesium sheet with the use of helium.

It's going to mean the saving of hundreds of pounds on our bombers--and you can't do it in Germany, Adolph, because the only known helium in the world is in Texas. To us, here at BMI, this new process means a lot--because it makes the job of getting into quantity production of magnesium just that much more important and just that much more fun. And it IS fun, Adolph, even working in the heat here, because we know that these temperatures are like ice compared to the heat that's going to burn your britches when bombs from BMI magnesium start raining out of the German sky. When that day comes, Adolph, you'll be a busy paper hanger, and we don't mean I guess so.

THIS IS QUITE A LOT OF BALLS

You see, Adolph, we're already turning out magnesium oxide at the mine. It might interest you to know that the ball mill up there is the world's largest. We ordered 200 tons of steel balls for that mill--Adolph--just for the first year. And that's a lot of iron marbles, even in our language.

QUICKER WE GO UP, QUICKER YOU GO DOWN

Red steel is rising on our No. 10 chlorinator and electrolysis building, too. We've got the keys to the chlorine cell renewal plant--the preparation units are mighty near completion and the No. 1 cell outfit is ditto. It won't be long now, Schicklgruber!

THIS WILL GIVE YOU A SHOCK

Maybe you won't like to be told things about the size of this plant, Adolph, but here it is, and you can read it and weep. This plant is so big that it will take as much electrical energy to operate it as it takes to light the entire city of Los Angeles. The order for electrical equipment alone amounted to \$12,500,000.

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LET GOERING WALK THIS PLANK

There really isn't much wood in this plant, Adolph. It's mostly concrete and steel, chemical brick and tile. But even at that, it's taking 30,000,000 feet of lumber. Laid end on end that would make a plank 5,681 miles long. It gives us a kick to think of that as long enough to reach from here to Tokio or from the United States to Berlin. We're funny that way, Adolph.

IRISH CONFETTI BY THE MILLION

Get out your pencil, paper hanger! You can write the last chapter to that book of yours. Put down what happens when somebody pulls Uncle Sam's whiskers. Put down that it's taking 6,764,450 bricks to build this engine of your doom and that just about every refractory brick maker in the whole United States is busy making them. That's the way Uncle Sam does things when he's mad, Adolph. Some of those bricks weigh 100 pounds apiece. But if they were all just regular common bricks and were laid end to end they'd stretch out 1,233 miles.

TAKE A PEEK THROUGH THIS, MEIN HERR

Yes, Adolph, we're kind of an easygoing people, until somebody gets us sore. In peace time this magnesium plant probably would have taken four or five years to build. The figures on quantity read like astronomy. But when we're at war, nothing's too big for us to tackle. For example, whoever heard of 22 miles of glass pipe in one plant? That's how much is going in here--and the manufacturers say it's the biggest order for glass pipe--by two or three times--the world has ever known.

JOINTS, JOINTS, JOINTS, JOINTS, JOINTS

In a week or so we're going to tell the whole story of this piping job, Adolph. The adding machines are busy totalling it up now. But you'll get some idea of it from the dope on joints. As though there weren't enough joints in Nevada, Adolph, we're adding 624,000 more! All kinds of joints--50,000 lead joints--100,000 leadite joints--40,000 cement joints--200,000 acid proof vitrabond joints--10,000 putty joints--10,000 sodium silicate joints. And finally 214,000 welded joints. Yes sir, Adolph, these are the piping days of-----war.

PRETTY FAIR COUNTRY FLAME PITCHING

We've been reading in the papers, Adolph, how the Russians stop your tanks with flame-throwers. We're training some plain and fancy fire-tossers here at BMI. It's just another of those "different" things roofoers are tackling to help smash you and Hirohito. This plant's going to use a lot of acid. So we're putting in thousands of acid sump holes. The boys are vulcanizing Pyroflex right into the concrete and fusing it into the bricks. Yeah! With flame-throwers. It's a nice job, too. They steel-brush the concrete, then wash it with 100 per cent aviation gasoline. Then they apply a prime coat and three base coats. Sheets of Pyroflex are then set--whereupon a 30-inch flame is thrown on the surface, fusing the Pyroflex into the concrete. While the Pyroflex is still hot, bricks for the inner lining are laid. You ought to see those boys toss those flames around, Adolph. It might give you an idea of how Americans can turn on the heat.

AIR HERE TO SMOTHER YOU THERE

Had enough, Adolph? All right then, you can radio this to the Son of Heaven. And tell that big slob down in Italy. This magnesium maker we're setting up here is being built according to the American plan of making working conditions comfortable and healthful. It's the biggest ventilation job on earth. Hang onto your hat, Schicklgruber! Ventilation ducts alone will take 4,000,000 pounds of sheet metal. Fume ducts in the electrolysis buildings require 100 tons of asbestos transite half-inch planks. Ventilators on top of permanent buildings will number 1200, all made here. They weigh 500 pounds apiece. There will be 700 Asbestos Protective Metal Ventilators in addition. These weigh 750 pounds each. Welding on the duct work alone will take 50 tons of welding rod. We're installing blowers from 2,500 to 180,000 cubic feet a minute capacity. To supply fresh, washed air to the plant will take 6,000 horsepower. That's right. We said six thousand. Now, get set again, Adolph! When this whole plant is busy making magnesium for bombs, bullets and plane parts these motors will send through the buildings TWENTY MILLION cubic feet of air every minute. That's enough to provide clean, washed, fresh air all the time for every house in a city of 10,000 population. And Adolph, this isn't hot air, either.